

Table 3.2
Cancer of the Brain and Other Nervous System (Invasive)

Trends in SEER Incidence^{ab} and U.S. Mortality^c Using the Joinpoint Regression Program,
1975-2012 With up to Five Joinpoints, 1992-2012 With up to Three Joinpoints,
Males by Race/Ethnicity

	JP Trend 1		JP Trend 2		JP Trend 3		JP Trend 4		JP Trend 5		JP Trend 6		AAPC ^d	
	Years	APC	Years	APC	Years	APC	Years	APC	Years	APC	Years	APC	2003-12	2008-12
<u>SEER 9 Delay-Adjusted Incidence^a, 1975-2012</u>														
All Races	1975-89	1.1*	1989-12	-0.3*									-0.3*	-0.3*
White	1975-89	1.3*	1989-12	-0.1									-0.1	-0.1
Black	1975-12	0.0											0.0	0.0
<u>SEER 13 Delay-Adjusted Incidence^b, 1992-2012</u>														
All Races	1992-12	-0.2*											-0.2*	-0.2*
White	1992-12	-0.1											-0.1	-0.1
Black	1992-12	0.2											0.2	0.2
<u>SEER 9 Observed Incidence^a, 1975-2012</u>														
All Races	1975-89	1.2*	1989-12	-0.4*									-0.4*	-0.4*
White	1975-89	1.3*	1989-12	-0.2									-0.2	-0.2
Black	1975-12	-0.1											-0.1	-0.1
<u>SEER 13 Observed Incidence^b, 1992-2012</u>														
All Races	1992-12	-0.3*											-0.3*	-0.3*
White	1992-12	-0.2											-0.2	-0.2
White NH ^{ef}	1992-12	-0.1											-0.1	-0.1
Black	1992-12	0.0											0.0	0.0
Black NH ^{ef}	1992-12	0.1											0.1	0.1
API ^e	1992-12	-0.1											-0.1	-0.1
AI/AN ^{eg}	1992-12	0.3											0.3	0.3
Hispanic ^f	1992-12	-0.1											-0.1	-0.1
<u>U.S. Cancer Mortality^c, 1975-2012</u>														
All Races	1975-77	4.4	1977-82	-0.4	1982-91	1.3*	1991-07	-1.0*	2007-12	0.7			0.0	0.7
White	1975-77	4.7	1977-82	-0.3	1982-91	1.4*	1991-07	-0.9*	2007-12	0.8			0.1	0.8
Black	1975-90	0.6	1990-12	-0.7*									-0.7*	-0.7*
<u>U.S. Cancer Mortality^c, 1992-2012</u>														
All Races	1992-07	-1.0*	2007-12	0.7									0.0	0.7
White	1992-07	-0.8*	2007-12	0.8*									0.1	0.8*
White NH ^{ef}	1992-07	-0.7*	2007-12	1.0*									0.2	1.0*
Black	1992-12	-0.6*											-0.6*	-0.6*
Black NH ^{ef}	1992-12	-0.6*											-0.6*	-0.6*
API ^e	1992-12	0.5											0.5	0.5
AI/AN ^{eg}	1992-12	1.8*											1.8*	1.8*
Hispanic ^f	1992-12	0.0											0.0	0.0

Joinpoint Regression Program Version 4.2.0, April 2015, National Cancer Institute. (<http://surveillance.cancer.gov/joinpoint/>).
^a The APC is the Annual Percent Change based on rates age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130).
^b Trends are from the SEER 9 areas (San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah, and Atlanta).
^c Trends are from the SEER 13 areas (SEER 9 Areas, Los Angeles, San Jose-Monterey, Rural Georgia, and the Alaska Native Registry).
^d Trends are from US Mortality Files, National Center for Health Statistics, Centers for Disease Control and Prevention.
^e The AAPC is the Average Annual Percent Change and is based on the APCs calculated by Joinpoint.
^f API - Asian/Pacific Islander, AI/AN - American Indian/Alaska Native, NH - Non-Hispanic
Hispanic and Non-Hispanic are not mutually exclusive from whites, blacks, Asian/Pacific Islanders, and American Indians/Alaska Natives. Incidence data for Hispanics and Non-Hispanics are based on NHIA and exclude cases from the Alaska Native Registry.
The Hispanic and Non-Hispanic mortality trends exclude deaths from New Hampshire and Oklahoma.
^g Data for American Indian/Alaska Native are based on the CHSDA (Contract Health Service Delivery Area) counties.
* The APC/AAPC is significantly different from zero (p<.05).
- Joinpoint regression line analysis could not be performed on data series.